

In The Claims

Claim 1 (currently amended): A structure for magnetizing a rotor magnet of a motor, comprising:

a stator having a plurality of silicon steel sheets wound by a plurality of winding coils; and

a rotor, the rotor being a unitary, asymmetric magnet cylinder bounded by an inner surface and outer surface, wherein at least one of said surfaces is a unitary and continuous curve surface comprising a plurality of continuous curve surfaces, each curve surface having convex and concave curve portions for changing an air gap between the rotor and the stator while starting the rotor; and

a stator having a plurality of silicon steel sheets wound by a plurality of winding coils.

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (original): A structure of Claim 1, wherein said plurality of silicon steel sheets is symmetrical.

Claim 5 (currently amended): A structure for magnetizing a stator magnet of a motor, comprising:

a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils; and

a stator, the stator being a unitary, asymmetric magnet cylinder bounded by an inner surface and outer surface, wherein at least one of said surfaces is a unitary and continuous curve surface comprising a plurality of continuous, each curve surface having convex and concave curve portions curve surfaces for changing an air gap between the rotor and the stator while starting the rotor; and

a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils.

Claim 6 (canceled)

Claim 7 (canceled)

Claim 8 (original): A structure of Claim 5, wherein said plurality of silicon steel sheets is symmetrical.

Claim 9 (currently amended): A structure for magnetizing a rotor magnet to start a motor easily, comprising:

a rotor, the rotor being a unitary, asymmetric magnet cylinder with an irregular lumpy edge comprising a plurality of concave surfaces and a plurality of convex surfaces for starting the motor easily; and

a stator having a plurality of silicon steel sheets wound by a plurality of winding coils and mounted inside said magnet cylinder.

Claim 10 (canceled)

Claim 11 (currently amended): A structure for magnetizing a stator magnet to start a motor easily, comprising:

a stator, the stator being a unitary, asymmetric magnet cylinder with an irregular lumpy edge comprising a plurality of concave surfaces and plurality of a convex surfaces for starting the motor easily; and

a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils and mounted inside said magnet cylinder.

Claim 12 (canceled)

Claim 13 (previously presented): A structure of Claim 1, wherein said a plurality of continuous curve surfaces have different arc centers.

Claim 14 (previously presented): A structure of Claim 5, wherein said a plurality of continuous curve surfaces have different arc centers.